

=> file biosis

=> s (carlone, m?)/au

L1 14 (CARLONE, M?)/AU

=> s (noble, s?)/au

L2 256 (NOBLE, S?)/AU

=> s l1 or l2

L3 269 L1 OR L2

=> s (corn or maize or zea)/ab,bi

L4 115903 (CORN OR MAIZE OR ZEA)/AB,BI

=> s l3 and l4

L5 21 L3 AND L4

=> file agricola

=> s l5

L6 5 L3 AND L4

=> dup rem

L7 23 DUP REM L5 L6 (3 DUPLICATES REMOVED)

=> d l7 1-23 ti py

L7 ANSWER 1 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Inbred ***maize*** line PH581.

PY 2004

L7 ANSWER 2 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Hybrid ***maize*** plant and seed.

PY 2001

L7 ANSWER 3 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Hybrid ***maize*** plant and seed 33P66.

PY 2001

L7 ANSWER 4 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Inbred ***maize*** line PH2MW.

PY 2000

L7 ANSWER 5 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Inbred ***maize*** line PH1EM.

PY 2000

L7 ANSWER 6 OF 23 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN

TI Development of a ***maize*** breakage test method using a commercial food processor.

PY 2000

L7 ANSWER 7 OF 23 AGRICOLA Compiled and distributed by the National

10/752,793

Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2004) on STN

TI Effects of drying air temperature and humidity on stress cracks and breakage of ***maize*** kernels.

PY 2000

L7 ANSWER 8 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Inbred ***corn*** line 2501172.

PY 1998

L7 ANSWER 9 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Inbred ***maize*** line PH67A.

PY 1998

L7 ANSWER 10 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Inbred ***maize*** line PH05W.

PY 1998

L7 ANSWER 11 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Hybrid ***maize*** plant and seed (3260).

PY 1998

L7 ANSWER 12 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Inbred ***corn*** line PHHB.

PY 1997

L7 ANSWER 13 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Inbred ***corn*** line ZS1022.

PY 1997

L7 ANSWER 14 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Hybrid ***corn*** plant and seed (3489).

PY 1996

L7 ANSWER 15 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Hybrid ***corn*** plant and seed (3189).

PY 1996

L7 ANSWER 16 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Inbred ***corn*** line PHN82.

PY 1996

L7 ANSWER 17 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Hybrid ***corn*** plant and seed.

PY 1996

L7 ANSWER 18 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI Hybrid ***corn*** plant and seed (3279).

PY 1996

L7 ANSWER 19 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on

STN
TI Inbred ***corn*** line PHHB4.
PY 1995

L7 ANSWER 20 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 1

TI EVALUATION OF S-2 ***MAIZE*** LINES REPRODUCED FOR SEVERAL GENERATIONS
BY RANDOM MATING WITHIN LINES II. COMPARISONS FOR TESTCROSS PERFORMANCE OF
ORIGINAL AND ADVANCED S-2 AND S-8 LINES.

PY 1989

L7 ANSWER 21 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI HYBRID ***CORN*** PLANT AND SEED US PATENT-4737596. APRIL 12 1988.
PY 1988

L7 ANSWER 22 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 2

TI EVALUATION OF S-2 ***MAIZE*** LINES REPRODUCED FOR SEVERAL GENERATIONS
BY RANDOM MATING WITHIN LINES I. COMPARISONS BETWEEN THE ORIGINAL AND
MAINTAINED S-2 LINES.

PY 1988

L7 ANSWER 23 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 3

TI RESPONSE TO PLANT DENSITIES AND NITROGEN LEVELS FOR FOUR ***MAIZE***
CULTIVARS FROM DIFFERENT ERAS OF BREEDING.
PY 1987

=> d 17 1-5 8-23

L7 ANSWER 1 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

AN 2004:249660 BIOSIS
DN PREV200400249610
TI Inbred ***maize*** line PH581.
AU ***Carlone, Mario Rosario Jr.*** [Inventor, Reprint Author];
Noble, Stephen W. Jr. [Inventor]
CS Johnston, IA, USA
ASSIGNEE: Pioneer Hi-Bred International, Inc.
PI US 6717037 April 06, 2004

L7 ANSWER 2 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

AN 2002:113195 BIOSIS
DN PREV200200113195
TI Hybrid ***maize*** plant and seed.
AU ***Carlone, Mario Rosario, Jr.*** [Inventor, Reprint author]
CS Princeton, IL, USA
ASSIGNEE: Pioneer Hi-Bred International, Inc.
PI US 6326530 December 04, 2001

L7 ANSWER 3 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

AN 2001:352593 BIOSIS
DN PREV200100352593
TI Hybrid ***maize*** plant and seed 33P66.
AU ***Carlone, Mario Rosario*** [Inventor]
CS ASSIGNEE: Pioneer Hi-Bred International, Inc.
PI US 6180857 January 30, 2001

L7 ANSWER 4 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on

STN
AN 2001:218311 BIOSIS
DN PREV200100218311
TI Inbred ***maize*** line PH2MW.
AU ***Carlone, Mario Rosario*** [Inventor, Reprint author]; Stucker,
David Scott [Inventor]
CS Princeton, IL, USA
ASSIGNEE: Pioneer Hi-Bred International, Inc.
PI US 6124532 September 26, 2000

L7 ANSWER 5 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2001:207537 BIOSIS
DN PREV200100207537
TI Inbred ***maize*** line PH1EM.
AU ***Noble, Stephen W.*** [Inventor, Reprint author]
CS Johnston, IA, USA
ASSIGNEE: Pioneer Hi-Bred International, Inc.
PI US 6118056 September 12, 2000

L7 ANSWER 8 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:111223 BIOSIS
DN PREV200200111223
TI Inbred ***corn*** line 2501172.
AU ***Carlone, M.*** [Inventor]
CS Princeton, Ill., USA
ASSIGNEE: GARST SEED COMPANY
PI US 5763755 June 9, 1998

L7 ANSWER 9 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:111214 BIOSIS
DN PREV200200111214
TI Inbred ***maize*** line PH67A.
AU ***Noble, S. W., Jr.*** [Inventor]
CS Johnston, Iowa, USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5763744 June 9, 1998

L7 ANSWER 10 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:109331 BIOSIS
DN PREV200200109331
TI Inbred ***maize*** line PH05W.
AU ***Noble, S. W., Jr.*** [Inventor]
CS Johnston, Iowa, USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5750849 May 12, 1998

L7 ANSWER 11 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:105278 BIOSIS
DN PREV200200105278
TI Hybrid ***maize*** plant and seed (3260).
AU Barker, T. C. [Inventor]; ***Noble, S. W., Jr.*** [Inventor]
CS Princeton, Ind., USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5728921 March 17, 1998

L7 ANSWER 12 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:66261 BIOSIS

DN PREV200200066261
TI Inbred ***corn*** line PHHB.
AU ***Noble, S. W., Jr.*** [Inventor]
CS Johnston, Iowa, USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5633427 May 27, 1997

L7 ANSWER 13 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:61496 BIOSIS
DN PREV200200061496
TI Inbred ***corn*** line ZS1022.
AU ***Carlone, M. R., Jr.*** [Inventor]
CS Granger, Iowa, USA
ASSIGNEE: ZENCO (NO. 4) LIMITED
PI US 5602314 Feb. 11, 1997

L7 ANSWER 14 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:49589 BIOSIS
DN PREV200200049589
TI Hybrid ***corn*** plant and seed (3489).
AU ***Noble, S. W., Jr.*** [Inventor]
CS Johnston, Iowa, USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5557035 Sept. 17, 1996

L7 ANSWER 15 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:45479 BIOSIS
DN PREV200200045479
TI Hybrid ***corn*** plant and seed (3189).
AU Morrow, D. L. [Inventor]; ***Noble, S. W.*** [Inventor]
CS Garden City, Kans., USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5530180 June 25, 1996

L7 ANSWER 16 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:37326 BIOSIS
DN PREV200200037326
TI Inbred ***corn*** line PHN82.
AU ***Noble, S. W.*** [Inventor]
CS Johnston, Iowa, USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5506368 April 9, 1996

L7 ANSWER 17 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:35095 BIOSIS
DN PREV200200035095
TI Hybrid ***corn*** plant and seed.
AU Niebur, W. S. [Inventor]; Riley, R. D. [Inventor]; ***Noble, S. W.*** [Inventor]
CS Victor, France
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5491295 Feb. 13, 1996

L7 ANSWER 18 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:35091 BIOSIS
DN PREV200200035091
TI Hybrid ***corn*** plant and seed (3279).

AU ***Noble, S. W., Jr.*** [Inventor]; Williams, N. E. [Inventor];
Stucker, D. S. [Inventor]; Segebart, R. L. [Inventor]; Keaschall, J. W.
[Inventor]
CS Johnston, Iowa, USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5491289 Feb. 13, 1996

L7 ANSWER 19 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 2002:28527 BIOSIS
DN PREV200200028527
TI Inbred ***corn*** line PHHB4.
AU ***Noble, S. W., Jr.*** [Inventor]
CS Polk County, Iowa, USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC.
PI US 5444178 Aug. 22, 1995

L7 ANSWER 20 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 1
AN 1989:422472 BIOSIS
DN PREV198988080730; BA88:80730
TI EVALUATION OF S-2 ***MAIZE*** LINES REPRODUCED FOR SEVERAL GENERATIONS
BY RANDOM MATING WITHIN LINES II. COMPARISONS FOR TESTCROSS PERFORMANCE OF
ORIGINAL AND ADVANCED S-2 AND S-8 LINES.
AU ***CARLONE M R JR*** [Reprint author]; RUSSELL W A
CS DEP AGROMONY, IOWA STATE UNIV, AMES, IOWA 50011, USA
SO Crop Science, (1989) Vol. 29, No. 4, pp. 899-904.
CODEN: CRPSAY. ISSN: 0011-183X.

L7 ANSWER 21 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
AN 1988:271715 BIOSIS
DN PREV198835000029; BR35:29
TI HYBRID ***CORN*** PLANT AND SEED US PATENT-4737596. APRIL 12 1988.
AU SEIFERT R [Inventor, Reprint author]; ***NOBLE S W*** [Inventor];
NIEBUR W S [Inventor]
CS DES MOINES, IOWA, USA
ASSIGNEE: PIONEER HI-BRED INTERNATIONAL, INC
PI US 4737596 April 12, 1988

L7 ANSWER 22 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 2
AN 1989:46872 BIOSIS
DN PREV198987022872; BA87:22872
TI EVALUATION OF S-2 ***MAIZE*** LINES REPRODUCED FOR SEVERAL GENERATIONS
BY RANDOM MATING WITHIN LINES I. COMPARISONS BETWEEN THE ORIGINAL AND
MAINTAINED S-2 LINES.
AU ***CARLONE M R JR*** [Reprint author]; RUSSELL W A
CS DEP AGRONOMY, IOWA STATE UNIV, AMES, IOWA 50011, USA
SO Crop Science, (1988) Vol. 28, No. 6, pp. 916-920.
CODEN: CRPSAY. ISSN: 0011-183X

L7 ANSWER 23 OF 23 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN DUPLICATE 3
AN 1987:291615 BIOSIS
DN PREV198784021647; BA84:21647
TI RESPONSE TO PLANT DENSITIES AND NITROGEN LEVELS FOR FOUR ***MAIZE***
CULTIVARS FROM DIFFERENT ERAS OF BREEDING.
AU ***CARLONE M R*** [Reprint author]; RUSSELL W A
CS IOWA STATE UNIV, AMES, IOWA 50011, USA
SO Crop Science, (1987) Vol. 27, No. 3, pp. 465-470.
CODEN: CRPSAY. ISSN: 0011-183X.

```
=> file biosis
=> s ph581/ab,bi
L8          1 PH581/AB,BI
=> file agricola
=> s 18
'AB' IS NOT A VALID FIELD CODE
L9          0 PH581/AB,BI
=> file biosis
=> d 18
L8      ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
AN      2004:249660 BIOSIS
DN      PREV200400249610
TI      Inbred maize line ***PH581*** .
AU      Carlone, Mario Rosario Jr. [Inventor, Reprint Author]; Noble, Stephen W.
       Jr. [Inventor]
CS      Johnston, IA, USA
PI      ASSIGNEE: Pioneer Hi-Bred International, Inc.
       US 6717037 April 06, 2004
```

```
=> log y
```

```
STN INTERNATIONAL LOGOFF AT 19:58:08 ON 10 DEC 2004
```

WEST Search History

10/17/2004

DATE: Friday, December 10, 2004

Hide? Set Name Query Hit Count

DB=USPT; PLUR=YES; OP=OR

<input type="checkbox"/>	L6	ph581	2
<input type="checkbox"/>	L5	l3 and L4	21
<input type="checkbox"/>	L4	(800/320.1).ccls.	1167
<input type="checkbox"/>	L3	l1 or L2	1828
<input type="checkbox"/>	L2	noble.in.	1804
<input type="checkbox"/>	L1	carlone.in.	25

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 10 of 21 returned.

1. Document ID: US 6717037 B1

L5: Entry 1 of 21

File: USPT

Apr 6, 2004

US-PAT-NO: 6717037

DOCUMENT-IDENTIFIER: US 6717037 B1

TITLE: Inbred maize line PH581

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Drawn D
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

2. Document ID: US 6426453 B1

L5: Entry 2 of 21

File: USPT

Jul 30, 2002

US-PAT-NO: 6426453

DOCUMENT-IDENTIFIER: US 6426453 B1

TITLE: Inbred corn line G3000

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Drawn D
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

3. Document ID: US 6326530 B1

L5: Entry 3 of 21

File: USPT

Dec 4, 2001

US-PAT-NO: 6326530

DOCUMENT-IDENTIFIER: US 6326530 B1

**** See image for Certificate of Correction ****

TITLE: Hybrid maize plant and seed

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Drawn D
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

4. Document ID: US 6180857 B1

L5: Entry 4 of 21

File: USPT

Jan 30, 2001

US-PAT-NO: 6180857

DOCUMENT-IDENTIFIER: US 6180857 B1

**** See image for Certificate of Correction ****

TITLE: Hybrid maize plant and seed 33P66

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Image](#) | [Claims](#) | [KOMC](#) | [Drawn](#) | [D](#)

5. Document ID: US 6124533 A

L5: Entry 5 of 21

File: USPT

Sep 26, 2000

US-PAT-NO: 6124533

DOCUMENT-IDENTIFIER: US 6124533 A

**** See image for Certificate of Correction ****

TITLE: Inbred maize line PH2N0

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Image](#) | [Claims](#) | [KOMC](#) | [Drawn](#) | [D](#)

6. Document ID: US 6124532 A

L5: Entry 6 of 21

File: USPT

Sep 26, 2000

US-PAT-NO: 6124532

DOCUMENT-IDENTIFIER: US 6124532 A

**** See image for Certificate of Correction ****

TITLE: Inbred maize line PH2MW

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Image](#) | [Claims](#) | [KOMC](#) | [Drawn](#) | [D](#)

7. Document ID: US 6118056 A

L5: Entry 7 of 21

File: USPT

Sep 12, 2000

US-PAT-NO: 6118056

DOCUMENT-IDENTIFIER: US 6118056 A

TITLE: Inbred maize line PH1EM

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Image](#) | [Claims](#) | [KOMC](#) | [Drawn](#) | [D](#)

8. Document ID: US 5763755 A

L5: Entry 8 of 21

File: USPT

Jun 9, 1998

US-PAT-NO: 5763755

DOCUMENT-IDENTIFIER: US 5763755 A

TITLE: Inbred corn line ZSO1172

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Image](#) | [Claims](#) | [KOMC](#) | [Drawn](#) | [D](#)

9. Document ID: US 5763744 A

L5: Entry 9 of 21

File: USPT

Jun 9, 1998

US-PAT-NO: 5763744

DOCUMENT-IDENTIFIER: US 5763744 A

TITLE: Inbred maize line PH67A

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KOMC	Drawn Ds
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 10. Document ID: US 5750849 A

L5: Entry 10 of 21

File: USPT

May 12, 1998

US-PAT-NO: 5750849

DOCUMENT-IDENTIFIER: US 5750849 A

TITLE: Inbred maize line PH05W

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KOMC	Drawn Ds
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Terms	Documents
L3 and L4	21

Display Format: [Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 11 through 20 of 21 returned.

11. Document ID: US 5728921 A

L5: Entry 11 of 21

File: USPT

Mar 17, 1998

US-PAT-NO: 5728921

DOCUMENT-IDENTIFIER: US 5728921 A

** See image for Certificate of Correction **

TITLE: Hybrid maize plant & seed (3260)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KINIC	Drawn D
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12. Document ID: US 5633427 A

L5: Entry 12 of 21

File: USPT

May 27, 1997

US-PAT-NO: 5633427

DOCUMENT-IDENTIFIER: US 5633427 A

** See image for Certificate of Correction **

TITLE: Inbred corn line PHHB

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KINIC	Drawn D
------	-------	----------	-------	--------	----------------	------	-----------	--------	-------	---------

13. Document ID: US 5602314 A

L5: Entry 13 of 21

File: USPT

Feb 11, 1997

US-PAT-NO: 5602314

DOCUMENT-IDENTIFIER: US 5602314 A

TITLE: Inbred corn line ZS1022

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KINIC	Drawn D
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14. Document ID: US 5557035 A

L5: Entry 14 of 21

File: USPT

Sep 17, 1996

US-PAT-NO: 5557035

DOCUMENT-IDENTIFIER: US 5557035 A

TITLE: Hybrid corn plant & seed (3489)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Tables	Claims	KOMC	Drawn De
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15. Document ID: US 5530180 A

L5: Entry 15 of 21

File: USPT

Jun 25, 1996

US-PAT-NO: 5530180

DOCUMENT-IDENTIFIER: US 5530180 A

TITLE: Hybrid corn plant and seed (3189)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Tables	Claims	KOMC	Drawn De
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16. Document ID: US 5506368 A

L5: Entry 16 of 21

File: USPT

Apr 9, 1996

US-PAT-NO: 5506368

DOCUMENT-IDENTIFIER: US 5506368 A

TITLE: Inbred corn line PHN82

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Tables	Claims	KOMC	Drawn De
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17. Document ID: US 5491295 A

L5: Entry 17 of 21

File: USPT

Feb 13, 1996

US-PAT-NO: 5491295

DOCUMENT-IDENTIFIER: US 5491295 A

TITLE: Hybrid corn plant and seed

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Tables	Claims	KOMC	Drawn De
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18. Document ID: US 5491289 A

L5: Entry 18 of 21

File: USPT

Feb 13, 1996

US-PAT-NO: 5491289

DOCUMENT-IDENTIFIER: US 5491289 A

TITLE: Hybrid corn plant and seed (3279)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Tables	Claims	KOMC	Drawn De
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19. Document ID: US 5444178 A

L5: Entry 19 of 21

File: USPT

Aug 22, 1995

US-PAT-NO: 5444178

DOCUMENT-IDENTIFIER: US 5444178 A

TITLE: Inbred corn line PHHB4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Drawn D
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 20. Document ID: US 5157206 A

L5: Entry 20 of 21

File: USPT

Oct 20, 1992

US-PAT-NO: 5157206

DOCUMENT-IDENTIFIER: US 5157206 A

TITLE: Inbred corn line PHN82

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Drawn D
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

21

Display Format: [Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 21 through 21 of 21 returned.

21. Document ID: US 4737596 A

L5: Entry 21 of 21

File: USPT

Apr 12, 1988

US-PAT-NO: 4737596

DOCUMENT-IDENTIFIER: US 4737596 A

TITLE: Hybrid corn plant and seed

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Drawn	De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Terms	Documents
L3 and L4	21

Display Format: TI

[Previous Page](#) [Next Page](#) [Go to Doc#](#)

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Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 6723903 B1

L6: Entry 1 of 2

File: USPT

Apr 20, 2004

US-PAT-NO: 6723903

DOCUMENT-IDENTIFIER: US 6723903 B1

TITLE: Inbred maize line PH6WG

filed too late
by 1 day

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Drawn De](#)

2. Document ID: US 6717037 B1

L6: Entry 2 of 2

File: USPT

Apr 6, 2004

US-PAT-NO: 6717037

DOCUMENT-IDENTIFIER: US 6717037 B1

TITLE: Inbred maize line PH581[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KIMC](#) [Drawn De](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

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L6: Entry 1 of 2

File: USPT

Apr 20, 2004

DOCUMENT-IDENTIFIER: US 6723903 B1
 TITLE: Inbred maize line PH6WG

Detailed Description Text (196):

The results in Table 4A compare inbred PH6WG crossed to inbred PH581 and inbred PH07D crossed to PH12C. The results show the PH6WG/PH581 hybrid to demonstrate above average and significantly better yields and significantly lower harvest moisture of grain than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid presents a significantly shorter plant height and a significantly lower ear placement than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid exhibits above average resistance to stalk lodging and brittle stalk and also shows above average and significantly better resistance to early brittle stalk than the PH07D/PH12C hybrid. The PH6WG/PH581 hybrid demonstrates above average resistance to Gray Leaf Spot and Anthracnose Stalk Rot and also shows above average stay green scores.

Detailed Description Text (197):

The results in Table 4B compare inbred PH6WG crossed to inbred PH581 and inbred PHR61 crossed to PHK56. The results show the PH6WG/PH581 hybrid to demonstrate above average and significantly better yields than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid exhibits above average and significantly better resistance to stalk lodging and late season stalk lodging than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid also shows above average and significantly better resistance to brittle stalk than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid demonstrates significantly better stay green scores than the PHR61/PHK56 hybrid. The PH6WG/PH581 hybrid demonstrates above average and significantly better resistance to both Gray Leaf Spot and Anthracnose Stalk Rot than the PHR61/PHK56 hybrid.

Detailed Description Text (198):

The results in Table 4C compare inbred PH6WG crossed to inbred PH581 and inbred PH05F crossed to PH2N0. The results show the PH6WG/PH581 hybrid to demonstrate above average yields. The PH6WG/PH581 hybrid exhibits above average and significantly better resistance to stalk lodging and late season stalk lodging than the PH05F/PH2N0 hybrid. The PH6WG/PH581 hybrid also shows above average and significantly better resistance to early brittle stalk than the PH05F/PH2N0 hybrid and shows above average resistance to brittle stalk. The PH6WG/PH581 hybrid demonstrates significantly better stay green scores than the PH05F/PH2N0 hybrid. The PH6WG/PH581 hybrid demonstrates above average and significantly better resistance to both Gray Leaf Spot and Anthracnose Stalk Rot than the PH05F/PH2N0 hybrid.

Detailed Description Paragraph Table (5):

TABLE 4A INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 = PH07D/PH12C PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS ABS % MN % MN ABS % MN % MN % MN TOTAL SUM 1 109 108 189.9 105 101 56.2 101 100 101 2 111 112 182.9 101 109 57.3 105 106 106 LOCS 4 3 169 169 175 101 40 31 52 REPS 4 3 172 172 178 103 46 37 57 DIFF 2 3 7.1 4 8 1.1 4 6 5 PR > T .114 .023+ .000# .000# .000# .000# .000# EAR ERT RT LRT STK STK STK EBT BRT HT LSC LDG LDS LDL STK STK % MN ABS % MN ABS ABS % MN % MN % MN TOTAL SUM 1 100 7.0 93 5.8 7.2 103 111 112 105 2 110 8.0 101 7.5 7.9 103 117 98

105 LOCS 52 1 10 13 58 61 37 9 13 REPS 57 1 10 15 59 62 58 34 13 DIFF 10 1.0 8 1.7
 0.8 0 7 15 0 PR > T .000# .241 .047+ .005# .999 .031+ .008# .999 ABT EGR STA DRP
 TST STK EST GLF NLF STK WTH GRN EAR WT CNT CNT SPT BLT % MN % MN % MN % MN ABS % MN
 % MN ABS ABS TOTAL SUM 1 124 100 111 100 56.2 101 100 6.1 3.9 2 117 106 126 100
 57.1 101 100 6.0 5.5 LOCS 8 35 55 13 102 273 12 14 7 REPS 34 36 58 15 104 382 14 20
 10 DIFF 7 6 15 0 0.9 0 0 0.1 1.6 PR >
 T .355 .121 .001# .999 .000# .999 .655 .081* SLF STW ANT HD FUS DIP ECB ECB
 BLT WLT ROT SMT CLN ERS ERS 1LF 2SC ABS ABS ABS ABS ABS ABS ABS ABS ABS TOTAL SUM 1
 5.3 4.3 5.2 97.0 6.0 5.2 3.0 5.8 4.6 2 4.8 6.3 5.5 98.0 6.4 3.3 5.0 5.5 4.6 LOCS 2
 2 14 4 2 7 3 2 4 REPS 4 4 23 7 7 9 6 3 6 DIFF 0.5 2.0 0.3 1.0 0.4 1.9 2.0 0.3 0.0
 PR > T .500 .295 .205 .567 .766 .078* .339 .795 .999 HSK CVR ABS TOTAL SUM 1 6.8 2
 5.1 LOCS 11 REPS 13 DIFF 1.7 PR > T .001# * = 10% SIG + = 5% SIG # = 1% SIG

Detailed Description Paragraph Table (6):

TABLE 4B INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 =
 PHR61/PHK56 PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS
 ABS % MN % MN ABS % MN % MN % MN % MN TOTAL SUM 1 109 108 192.3 105 100 55.8 101 100 101
 2 105 107 164.6 90 90 57.0 99 99 99 LOCS 4 2 113 113 116 58 27 19 34 REPS 4 2 121
 121 124 64 28 20 35 DIFF 4 1 27.7 15 10 1.2 2 0 2 PR >
 T .001# .500 .000# .000# .000# .000# .999 .032+ EAR RT LRT STK STK STK BRT
 ABT EGR HT LDG LSC LDS LDG LDL STK STK WTH % MN % MN ABS ABS % MN % MN % MN %
 MN TOTAL SUM 1 101 93 6.3 7.2 102 105 105 122 100 2 95 108 8.3 6.0 99 90 93 76 106
 LOCS 34 10 12 35 51 22 12 4 29 REPS 35 10 14 40 52 33 12 11 31 DIFF 6 15 2.0 1.2 3
 15 12 46 6 PR > T .007# .049+ .018+ .011+ .496 .023+ .033+ .361 .143 STA DRP TST
 STK EST GLF NLF SLF STW GRN EAR WT CNT CNT SPT BLT BLT WLT % MN % MN ABS % MN % MN
 ABS ABS ABS ABS TOTAL SUM 1 105 100 55.8 101 100 6.3 3.2 6.0 4.3 2 70 100 57.6 100
 100 3.6 4.0 3.0 3.8 LOCS 34 13 58 167 9 10 3 1 2 REPS 38 15 64 206 10 13 4 2 4 DIFF
 35 0 1.7 0 1 2.7 0.8 3.0 0.5 PR > T .000# .999 .000# .999 .512 .000# .630 .000# ANT
 HD FUS DIP ECB HSK ROT SMT CLN ERS ERS 1LF CVR ABS ABS ABS ABS ABS ABS ABS TOTAL
 SUM 1 5.3 99.4 8.0 5.5 3.0 6.0 6.7 2 3.0 99.4 3.7 4.3 2.5 5.0 6.0 LOCS 6 2 1 4 1 1
 3 REPS 10 4 3 5 2 1 3 DIFF 2.3 0.0 4.3 1.3 0.5 1.0 0.7 PR > T .015+ .999 .141 .184
 * = 10% SIG + = 5% SIG # = 1% SIG

Detailed Description Paragraph Table (7):

TABLE 4C INBREDS IN HYBRID COMBINATION REPORT VARIETY #1 = PH6WG/PH581 VARIETY #2 =
 PH05F/PH2N0 PRM BU BU TST GDU GDU PLT PRM SHD ACR ACR MST WTA SHD SLK HT ABS ABS
 ABS % MN % MN ABS % MN % MN % MN % MN TOTAL SUM 1 108 108 179.7 105 100 56.1 101 100 101
 2 108 108 180.6 105 99 57.4 101 101 101 LOCS 8 2 224 224 231 152 45 41 65 REPS 8 2
 247 247 256 161 56 51 79 DIFF 0 0 0.8 0 1 1.3 0 1 0 PR >
 T .999 .999 .561 .999 .147 .000# .999 .000# .999 EAR ERT RT LRT STK STK EBT BRT
 HT LSC LDG LSC LDS LDG LDL STK STK % MN ABS % MN ABS ABS % MN % MN % MN % MN TOTAL
 SUM 1 101 5.5 97 6.0 7.4 102 117 111 104 2 97 6.0 99 5.2 6.2 96 103 98 101 LOCS 65
 2 18 14 92 70 45 10 5 REPS 79 2 18 16 99 71 75 36 5 DIFF 3 0.5 2 0.8 1.2 6 14 14 4
 PR > T .002# .795 .522 .364 .000# .016+ .014+ .010+ .080* ABT EGR STA DRP TST STK
 EST GLF NLF STK WTH GRN EAR WT CNT CNT SPT BLT % MN % MN % MN % MN ABS % MN % MN
 ABS ABS TOTAL SUM 1 122 102 110 100 56.1 101 103 5.8 3.8 2 90 105 101 100 57.4 101
 97 4.6 4.0 LOCS 10 39 71 11 153 361 8 18 9 REPS 52 42 85 13 162 544 11 27 14 DIFF
 32 3 9 0 1.3 1 5 13 0.2 PR > T .006# .330 .038+ .999 .000# .245 .039+ .000# .569
 SLF STW ANT HD FUS DIP COM ECB BLT WLT ROT SMT CLN ERS ERS RST 1LF ABS ABS ABS ABS
 ABS ABS ABS ABS TOTAL SUM 1 5.0 4.3 5.4 98.0 5.2 5.6 3.2 6.0 6.0 2 4.7 5.3 4.2
 93.5 5.3 4.0 4.1 5.3 5.8 LOCS 3 2 22 6 3 8 5 4 3 REPS 6 4 36 11 11 13 10 4 5 DIFF
 0.3 1.0 1.2 4.5 0.2 1.5 0.9 0.8 0.2 PR >
 T .423 .000# .000# .278 .423 .001# .021+ .058* .423 ECB HSK SWB 2SC CVR PGR ABS ABS
 ABS TOTAL SUM 1 5.3 6.8 17.6 2 4.7 4.6 29.4 LOCS 6 19 1 REPS 10 24 1 DIFF 0.7 2.2
 11.8 PR > T .249 .000# * = 10% SIG + = 5% SIG # = 1% SIG

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